



FIG. 1A

100 GTCAAGTGTATACGTGCAGGAGACTGGCCGCTGGCTCAGGACTGGGATTAGCGGGCTCTGCTCAAAACCCGCGGCTTTACATTAGGAGTGAGTGG
199 GGGAGAGTCTAGGATTTCTAGTGAAAGTGACAGCGCTTGGTGAGCTTGGGACCTTCTGCTGGAAGCTCTCTGCTGGAAGCTGAGACTTGCCATGCC
M
I
274 GAA CAC CCC CTC TTT GGC TGC CTG GGC AGC CCC CAC GCC ACA GCG CAA GGC TTG CAC CCC TTC TCG CAG TCT TCT
26 E H P L F G C L R ∇ P H A T A Q G L H P F S Q S
349 CTG GCC CTC CAT GGA AGA TCT GAC CAC ATG TCC TAC CCC GAA CTC TCC ACA TCT TCC TCG TCT TGC ATA ATC GCG
51 L A L H G R S D H M \diamond Y P E L S T S S S C I I A
424 GGA TAC CCC AAT GAG GAG GGC ATG TTT GCC AGC CAG CAT CAC AGG GGG CAC CAC CAC CAC CAC CAC CAT
76 G Y P N E E G M F A S Q H H R G H H H H H H H
499 CAC CAC CAC CAG CAG CAG GCT CTG CAA AGC AAC TGG CAC CTC CCG CAG ATG TCC TCC CCG CCA AGC
101 H H H Q Q Q Q H Q A L Q S N W H L P Q M S S P S
574 GCG GCC CCG CAC AGC CTT TGC CTG CAG CCT GAT TCC GGA GGG CCC CCG GAG CTG GGG AGC AGC CCT CCG GTC CTC
126 A A R H \square L C L Q P D S G G P P E L G S S P P V L
649 TGC TCC AAC TCT TCT AGC CTG GGC TCC AGC ACC CCG ACC GGA GCC GCG TGC GCA CCA AGG GAT TAT GGC CGT CAA
151 C S N S S L G S S T P T G A A C A P R D Y G R Q
724 GCG CTG TCA CCC GCA GAA GTG GAG AAG AGA AGT GGC AGC AAA AGA AAA AGC GAC AGT TCA GAT TCC CAG GAA GGA
176 A L \diamond P A E V E K R \odot G \square K R K \square S D \odot S D S Q E G
799 AAT TAC AAG TCA GAA GTG AAC AGC AAA CCT AGG AAG GAA AGA ACA GCT TTC ACC AAA GAG CAA ATC AGA GAA CTT
201 N Y K S E V N S K P R K E R \odot A F T K E Q I R E L
874 GAG GCA GAG TTC GCC CAT AAC TAT CTG ACC AGA CTG AGA AGA TAT GAG ATA GCG GTG AAC CTA GAC CTC ACT
220 E A E F A H H N Y L T R L R R Y E I A V N L D L \odot

MATCH TO FIG. 1B



FIG. 3

83 GTCTTCTACCTGGAAACCCGAACTTGCAATGCT ATG GAA CAC CCG CTC TTT GGC TGC CTG CGC AGC CCT CAC GCC ACG GCG CAA
17 M E H P L F G C L R S P H A T A Q
158 GGC TTG CAC CCG TTC TCC CAA TCC TCT CTC GCC CTC CAT GGA AGA TCT GAC CAT ATG TCT TAC CCC GAG CTC TCT
42 G L H P F S Q S L A L H G R S D H M S Y P E L S
233 ACT TCT TCC TCA TCT TGC ATA ATC GCG GGA TAC CCC AAC GAA GAG GAC ATG TTT GCC AGC CAG CAT CAC AGG GGG
67 T S S S C I I A G Y P N E E D M F A S Q H H R G
300 CAC CAC CAC CAC CAC CAC CAT CAC CAC CAC CAG CAG CAC CAG GCT CTG CAA ACC AAC TGG CAC CTC
92 H H H H H H H H H Q Q Q Q H Q A L Q T N W H L
383 CCG CAG ATG TCT TCC CCA CCG AGT GCG GCT CCG CAT AGC CTC TGC CTC CAG CCC GAC TCT GGA GGG CCC CCA GAG
117 P Q M S S P P S A A R H S L C L Q P D S G G P P E
450 TTG GGG AGC AGC CCG CTC CTG TGC TCC AAC TCT TCC AGC TTG GGC TCC AGC ACC CCG ACT GGG GCC GCG TGC
142 L G S S P P V L C S N S S L G S S T P T G A A C
533 GCG CCG GGG GAC TAC GGC CCG CAG GCA CTG TCA CCT GCG GAG GCG GAG AAG CGA AGC GGC GGC AAG AGG AAA AGC
167 A P G D Y G R Q A L S P A E A E K R S G G K R K S
600 GAC AGC TCA GAC TCC CAG GAA GGA AAT TAC AAG TCA GAA GTC AAC AGC
192 D S S D S Q E G N Y K S E V N S
683 ACC AAA GAG CAA ATC AGA GAA CTT GAA GCA GAA TTT GCC CAT CAT AAT TAT CTC ACC AGA CTG AGG CGA TAC GAG
217 T K E Q I R E L E A E F A H N Y L T R L R R Y E
758 ATA GCA GTG AAT CTG GAT CTC ACT GAA AGA CAG GTA AAA GTC TGG TTC CAA AAC AGG CCG ATG AAG TGG AAG AGG
242 I A V N L D L T E R Q V K V W F Q N R R M K W K R
833 GTA AAG GGT GGA CAG CAA GGA GCT GCG GCT CCG GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTC CCA
267 V K G G Q Q G A A A R E K E L V N V K K G T L L P
908 TCA GAG CTG TCG GGA ATT GGT GCA GCC ACC CTC CAG CAA ACA GGG GAC TCT ATA GCA AAT GAA GAC AGT CAC GAC
292 S E L S G I G A A T L Q Q T G D S I A N Q D S H D
941 AGT GAC CAC AGC TCA GAG CAC GCC CAC CTC TGA
302 S D H S S E H A H L *